

DEPARTMENT OF HUMAN SERVICES
MOAB REGIONAL CENTER
INTERIOR UPGRADES

1165 SOUTH HIGHWAY 91
MOAB, UTAH

DFCM PROJECT NO. 07144400



State of Utah– Department of Administrative Services

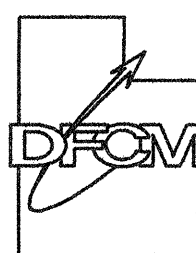
**DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT**

4110 State Office Building / Salt Lake City, Utah 84114 / 538–3018

SEPTEMBER 28th, 2007

State of Utah

Department of Administrative Services



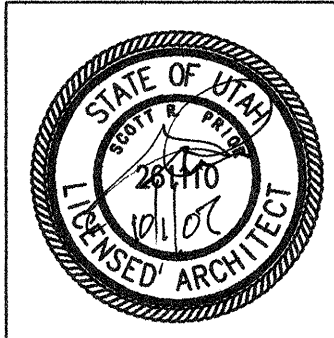
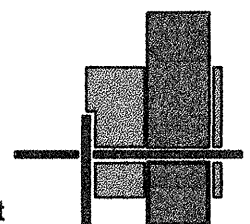
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architecture planning design

CONSULTANT: xyz engineering

BUILDING NAME:

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HUMAN SERVICES

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MARK	DATE	DESCRIPTION
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ISSUE TYPE: CONSTRUCTION DOCUMENTS

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COVER SHEET

SHEET NUMBER

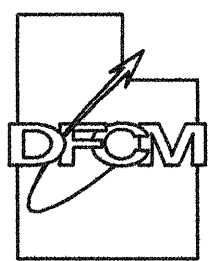
A-G1000

SHEET 1 OF 15

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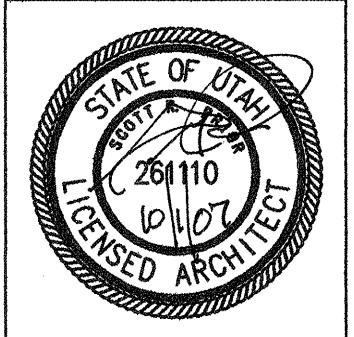
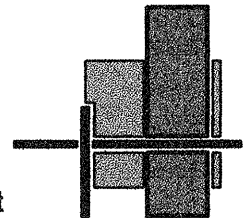
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A-G1001

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ABBREVIATIONS

Reference to materials or methods have been made on the drawings in accordance with the following abbreviations:

#	NUMBER	GWB.	GYPSUM WALL BOARD
"	FEET	GYP. BD.	GYPSUM WALL BOARD
"	INCHES	HC.	HANDICAPPED
&	AND	HDW.	HARDWARE
@	AT	H.M.	HOLLOW METAL
Ø	DIAMETER	HORIZ.	HORIZONTAL
ADJ	ADJUSTABLE	HR.	HOUR
AFF	ABOVE FINISH FLOOR	HT.	HEIGHT
ALUM	ALUMINUM	HVAC	HEATING/VENTILATION/ AIR CONDITIONING
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HYD	HYDRANT
ATS	AUTOMATIC TRANSFER	I.D.	INSIDE DIAMETER
BD	BOARD	INFO	INFORMATION
BITUM.	BITUMINOUS	INSUL.	INSULATION
BLDG	BUILDING	LAV.	LAVATORY
B.M.	BENCHMARK	L.T.	LIGHT
B.O.	BOTTOM OF	MATL.	MATERIAL
BRG.	BEARING	MAX.	MAXIMUM
BTWN.	BETWEEN	MECH.	MECHANICAL
CER.	CERAMIC	MFR.	MANUFACTURER
CJ	CONSTRUCTION JOINT	MIN.	MINIMUM
CLG.	CEILING	MISC.	MISCELLANEOUS
CLR.	CLEAR	M.O.	MASONRY OPENING
CMU	CONCRETE MASONRY UNIT	MTL.	METAL
COL.	COLUMN	NIC	NOT IN CONTRACT
CONC.	CONCRETE	NO.	NUMBER
CONT.	CONTINUOUS	N.T.S.	NOT TO SCALE
CONST.	CONSTRUCTION	O.C.	ON CENTER
COORD.	COORDINATE	O.D.	OUTSIDE DIAMETER
CTJ	CONTRACTION JOINT	O.H.	OVERHEAD
DBL.	DOUBLE	OPP.	OPPOSITE
DPW	DIRECTOR OF PUBLIC WORKS	PART.	PARTITION
DIA.	DIAMETER	PERP.	PERPENDICULAR
DPG	DUGWAY PROVING GROUND	PL.	PLATE
DTL.	DETAIL	PNTD.	PAINTED
DWGS.	DRAWINGS	PSI	POUNDS PER SQUARE INCH
EA.	EACH	R.D.	ROOF DRAIN
EJ	EXPANSION JOINT	RAD.	RADIUS
ELEV.	ELEVATION	REINF.	REINFORCED
EQ.	EQUAL	REQ'D	REQUIRED
E.S.	EACH SIDE	RET.	RETURN
EXIST.	EXISTING	REV.	REVERSED
EXPAN.	EXPANSION	RM.	ROOM
EXT.	EXTERIOR	R.O.	ROUGH OPENING
E.W.C.	ELECTRIC WATER COOLER	SCHED.	SCHEDULE
F.D.	FLOOR DRAIN	SHR.	SHOWER
FDN.	FOUNDATION	SHT.	SHEET
F.E.	FIRE EXTINGUISHER	SIM.	SIMILAR
F.E.C.	FIRE EXTINGUISHER CABINET	SPEC.	SPECIFICATION
F.F.	FINISH FLOOR	STD.	STANDARD
FIN.	FINISH	STR.	STRUCTURAL
FLR.	FLOOR	SUSP.	SUSPENDED
F.L.	FLOW LINE	THRU	THROUGH
FTG.	FOOTING	T.O.	TOP OF
GA.	GAGE	T.O.A.	TOP OF ASPHALT
GALV.	GALVANIZED	T.O.C.	TOP OF CURB
GF-CI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.F.	TOP OF FOOTING
GF-GI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED	T.O.S.	TOP OF SLAB OR SIDEWALK
G.I.	GALVANIZED STEEL	T.O.W.	TOP OF WALL
OND.	GROUND	TYP.	TYPICAL
GOVT.	GOVERNMENT	VERT.	VERTICAL
		VEST.	VESTIBULE
		W/	WITH
		WD	WOOD

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LIST OF DRAWINGS

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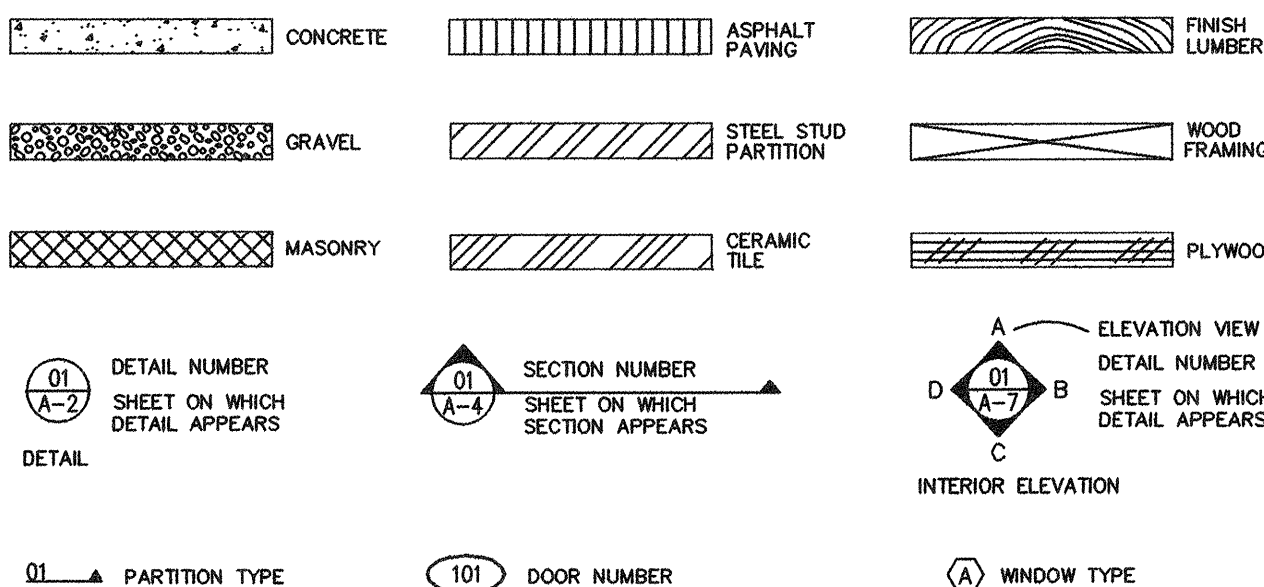
MECHANICAL

8 OF 15	M-101	MECHANICAL FLOOR PLANS AND SCHEDULES
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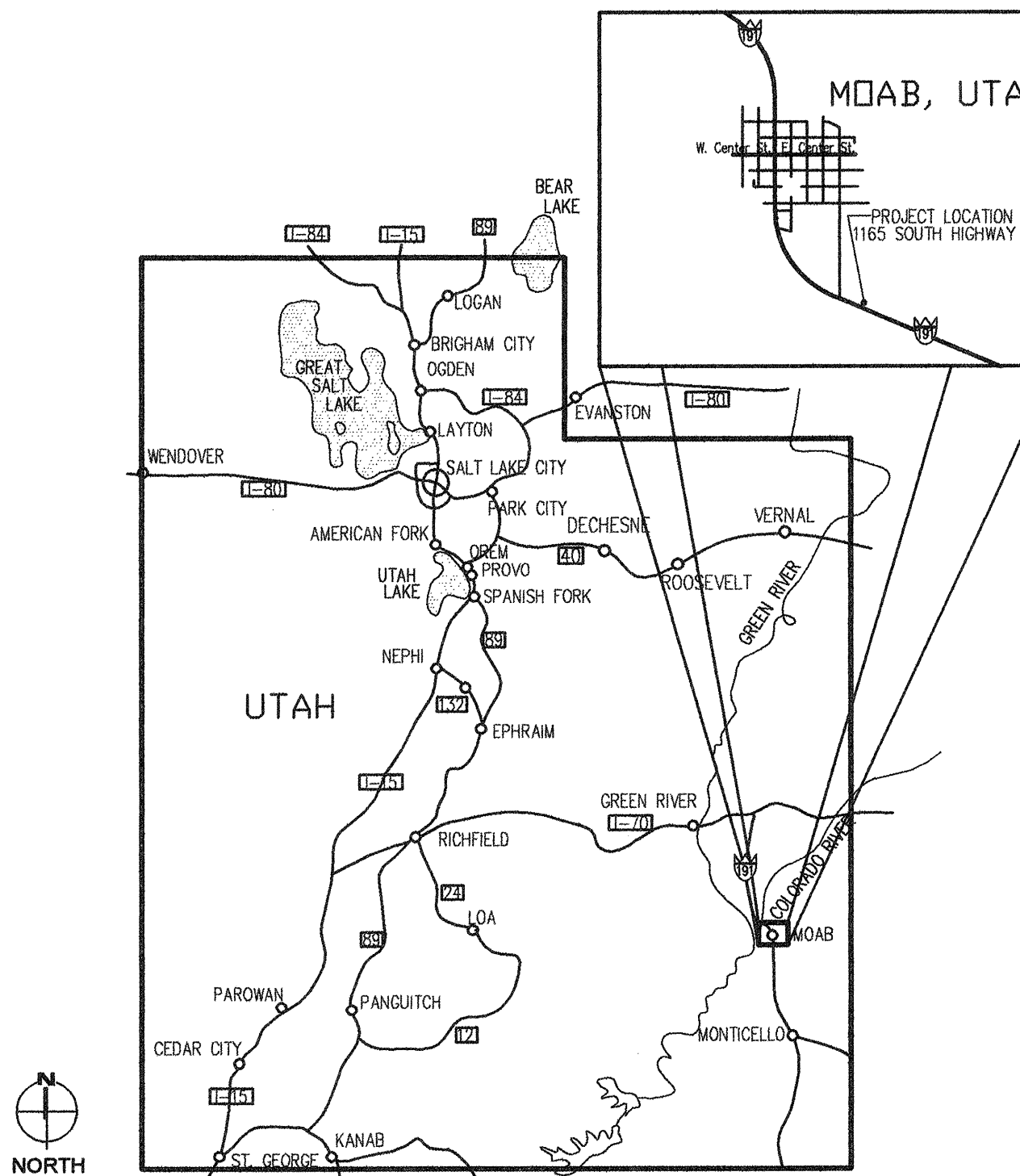
ELECTRICAL

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GRAPHIC KEY



VICINITY MAP



DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES

	Year		Year
International Building Code	2006	National Electrical Code	2005
International Mechanical Code	2006	Uniform Code for Building Conservation	N/A
International Plumbing Code	2006	ADA Accessibility Guidelines	2006
International Fire Code	2006		
International Energy Conservation Code	N/A		

A. Occupancy and Group: B

Change in Use: Yes No X Mixed Occupancy: Yes No X

Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category: 3 Design Wind Speed: N/A mph

C. Type of Construction (circle one):

I A I B II A II B III A III B IV HT V A V B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: NO Nonseparated Uses: NO

F. Sprinklers:

Required: NO Provided: YES Type of Sprinkler System: WET PIPE

G. Number of Stories: 1 Building Height: N/A

H. Actual Area per Floor (square feet): 15,105 actual bldg sq ft

I. Tabular Area: as per table 503 (23,000 sq ft allowed)

J. Area Modifications:

a) $A_a = A_1 + \left[\frac{A_1 I_f}{100} \right] + \left[\frac{A_1 I_s}{100} \right]$ $I_f = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

Actual Area Allowable Area ≤ 1

c) Total Allowable Area for:

1) One Story: —

2) Two Story: $A_d(2)$ —

3) Three Story: $A_d(3)$ —

d) Unlimited Area Building: Yes No X Code Section: N/A

K. Fire Resistance Rating Requirements for Building Elements (hours):

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0	—	Floors - Ceiling Floors	0	—
Interior Bearing Walls	0	—	Roofs - Ceiling Roofs	0	—
Exterior Non-Bearing Walls	0	—	Exterior Doors and Windows	0	—
Structural Frame	0	—	Shaft Enclosures	N/A	—
Partitions - Permanent	0	—	Fire Walls	0	—
Fire Barriers	0	—	Fire Partitions	0	—
			Smoke Partitions	0	—

L. Design Occupant Load: XX

Exit Width Required: XX Exit Width Provided: XX

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) XX (f) XX Provided (m) X (f) X

b) Lavatories - Required (m) XX (f) XX Provided (m) X (f) X

c) Bath Tubs or Showers: XX

d) Drinking Fountains: XX Service Sinks: XX

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts 1 through X - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:

a) High Rise Requirements.

b) Atriums.

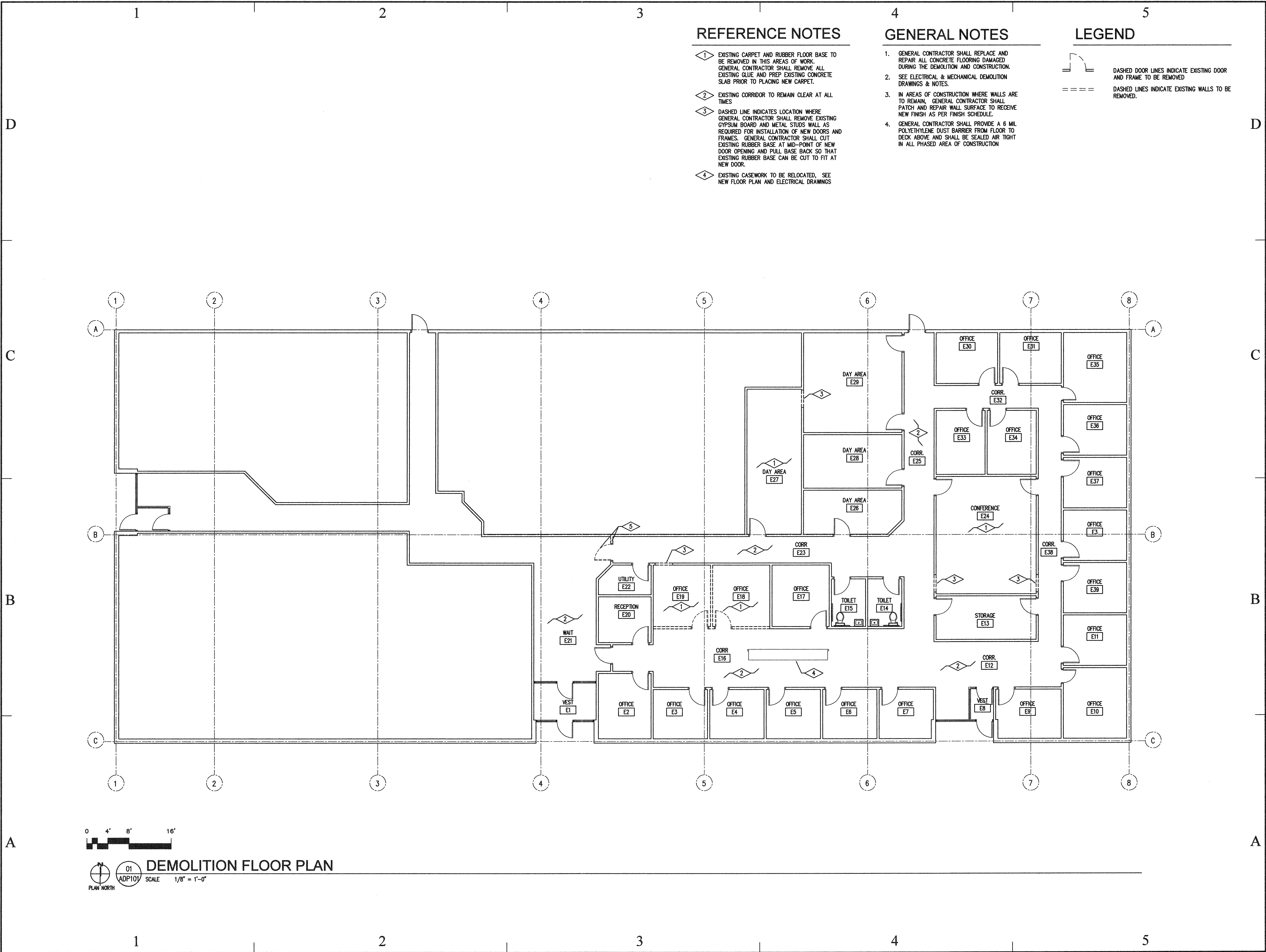
c) Performance Based Criteria.

d) Means or Egress Analysis.

e) Fire Assembly Locator Sheet.

f) Exterior and Interior Accessibility Route.

g) Fire Stopping, Including Tested Design Number.



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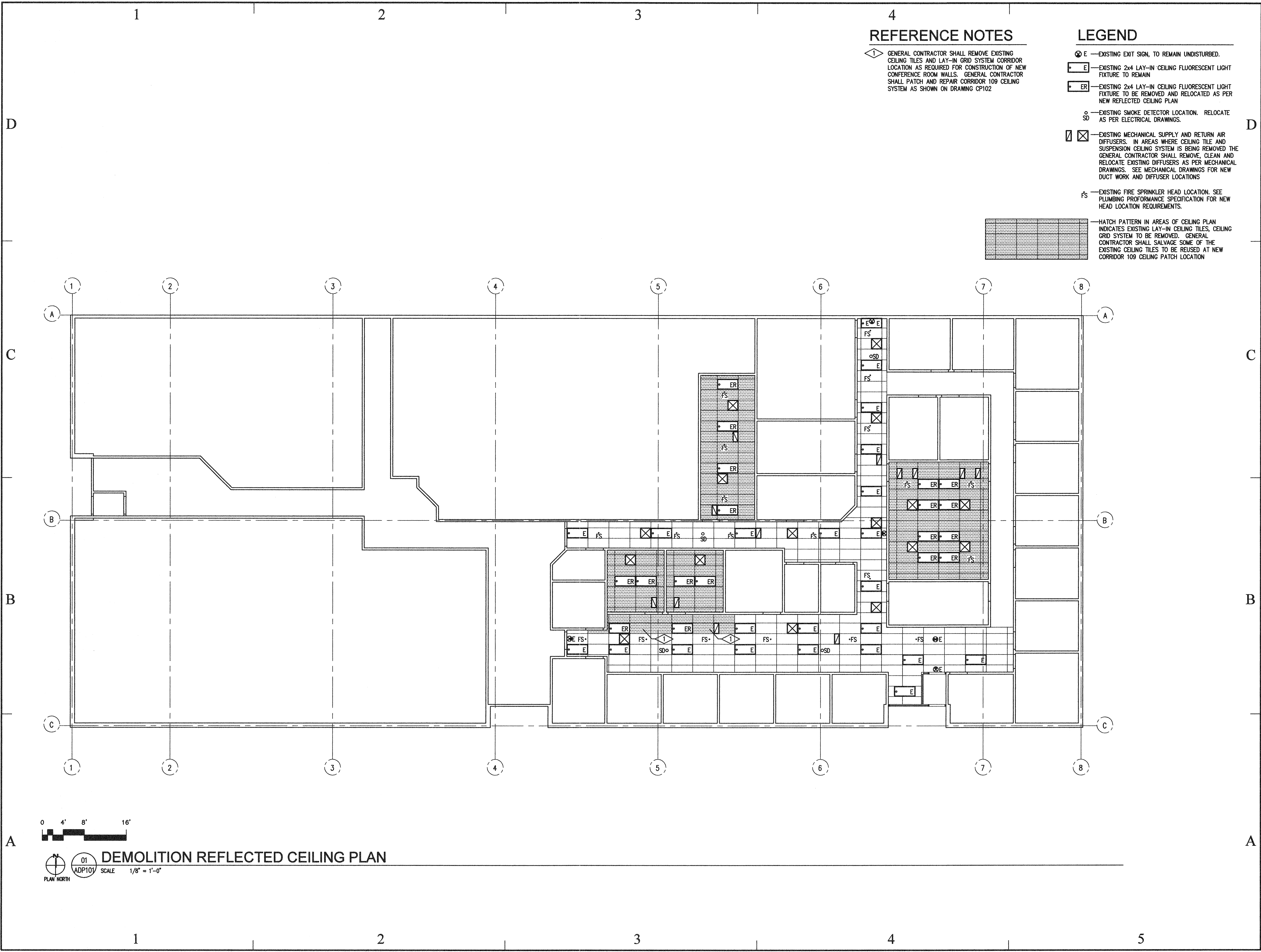
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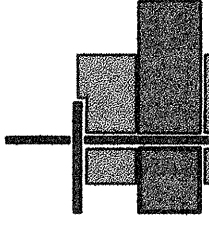
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DEMOLITION FLOOR PLAN		
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A-DP101		
SHEET 3 OF 15		

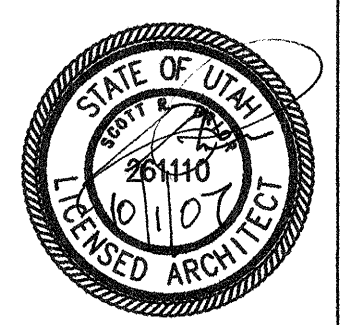


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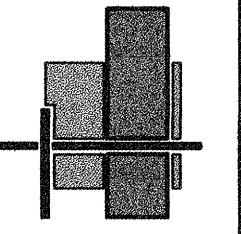


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NEW FLOOR PLAN

SHEET NUMBER

A-FP101

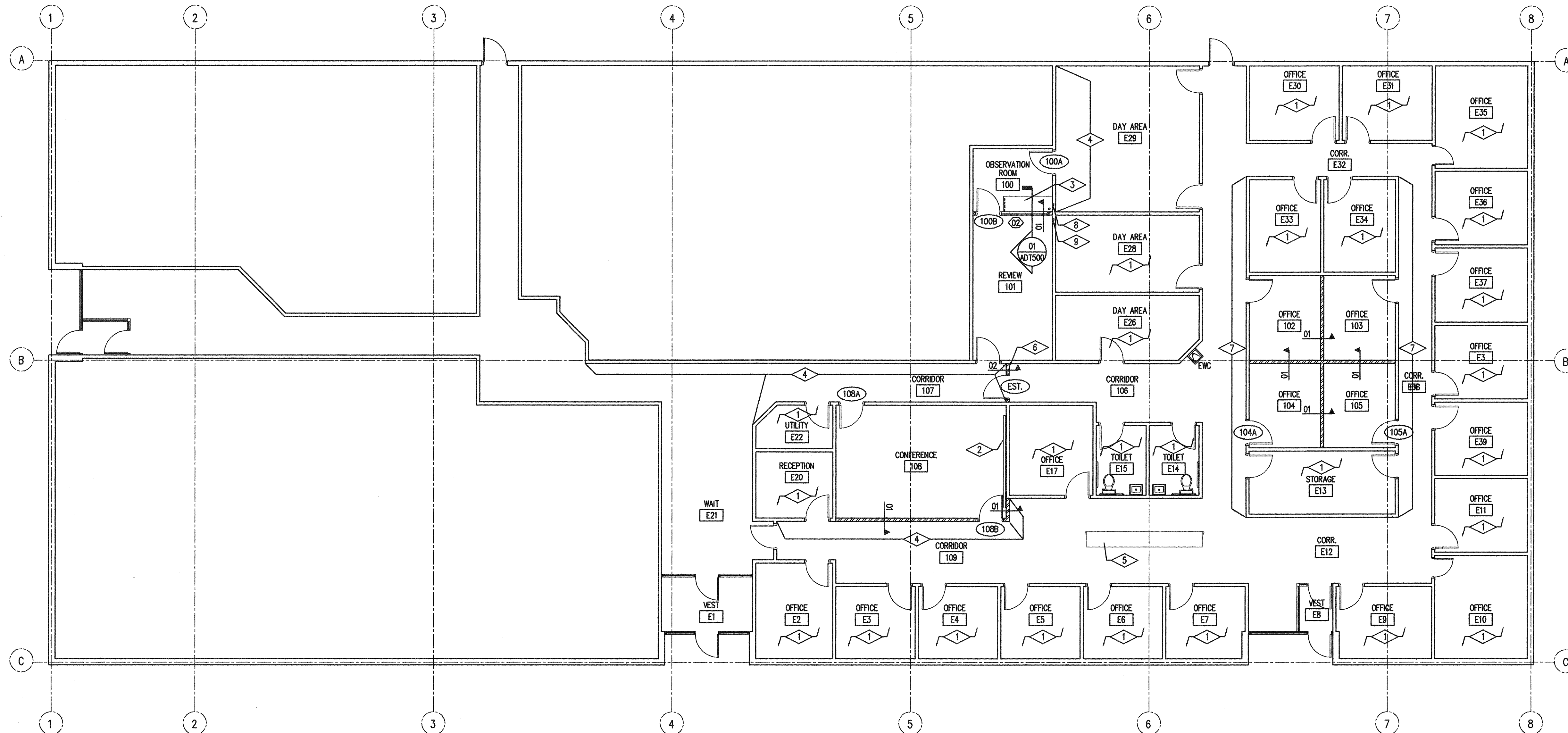
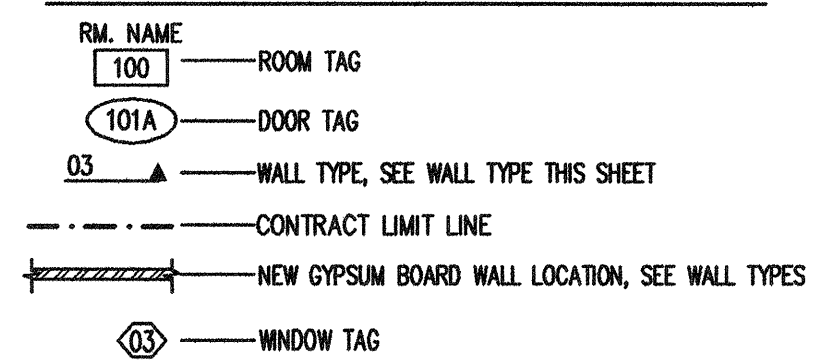
SHEET 5 OF 15

GENERAL NOTES

LEGEND

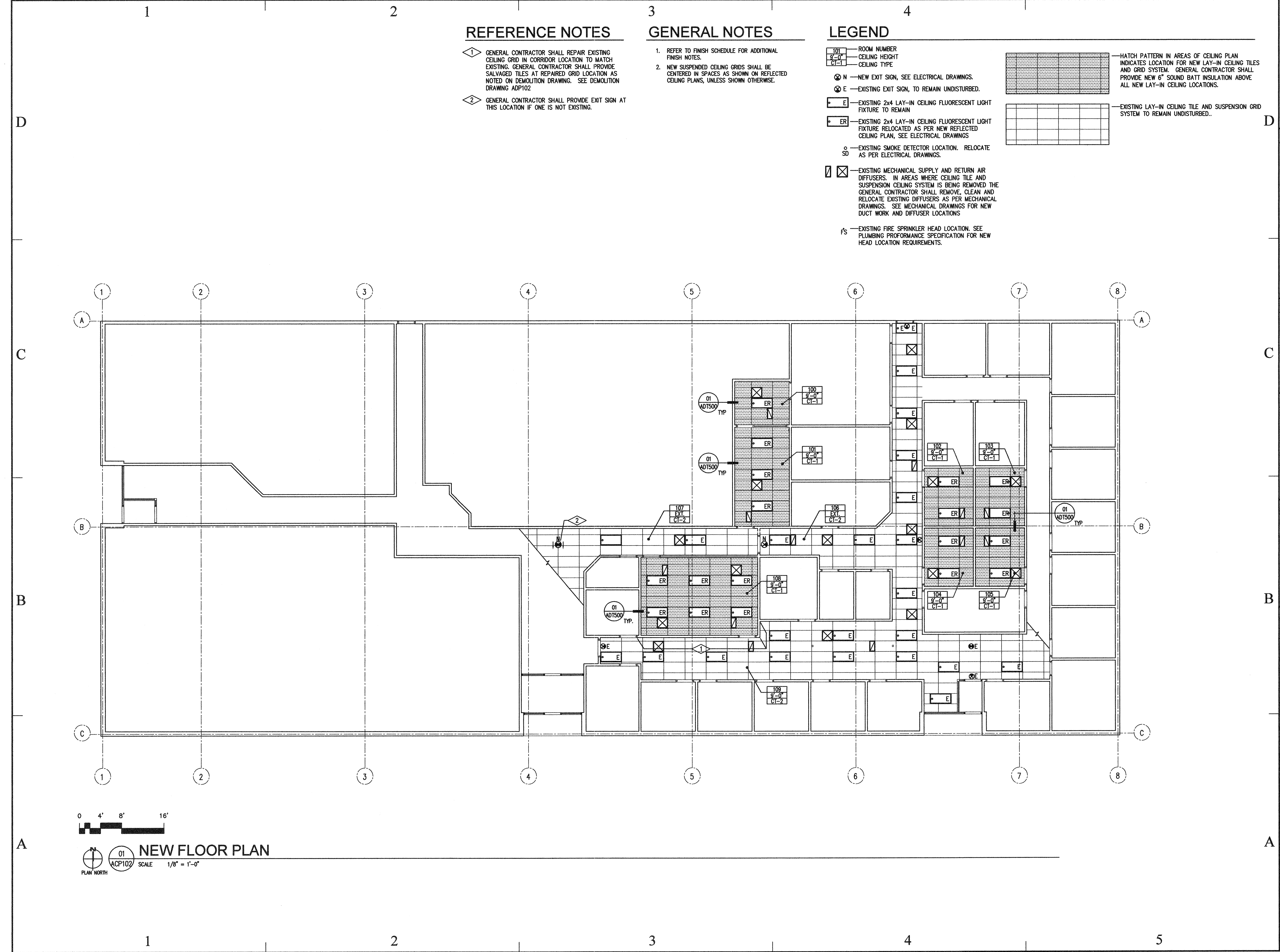
- 1 EXISTING ROOM TO REMAIN UNDISTURBED
- 2 NEW 12'-0" WIDE x 4'-0" HIGH MARKER BOARD WITH ALUMINUM MARKER TRAY, SEE SPECIFICATIONS.
- 3 NEW PLASTIC LAMINATE COUNTER TOP WITH 2" GROMMET. SEE SECTION AND SPECIFICATION.
- 4 GENERAL CONTRACTOR SHALL PAINT WALL SURFACE FROM CORNER TO CORNER ON CORRIDOR SIDE AND FLOOR TO CEILING. PAINT TO MATCH EXISTING CORRIDOR WALL PAINT. GENERAL CONTRACTOR SHALL ALSO INSTALL NEW RUBBER BASE AT THESE LOCATIONS. RUBBER BASE TO MATCH EXISTING.
- 5 GENERAL CONTRACTOR SHALL RELOCATE EXISTING CASEWORK AS SHOWN, SEE ELECTRICAL DRAWINGS
- 6 GENERAL CONTRACTOR SHALL PRIME AND PAINT NEW WALL AT THIS LOCATION.
- 7 GENERAL CONTRACTOR SHALL PAINT WALL SURFACE FROM CORNER TO CORNER ON CORRIDOR SIDE AND FROM FLOOR TO CEILING. PAINT TO MATCH EXISTING CORRIDOR WALL PAINT.
- 8 GENERAL CONTRACTOR SHALL LOCATE A JUNCTION BOX WITH COVER PLATE AT THIS LOCATION 1'-6" A.F.F. JUNCTION BOX SHALL HAVE A 1-1/2" CONDUIT TO 4" ABOVE FINISHED WALL SYSTEM. SEE WALL TYPES
- 9 GENERAL CONTRACTOR SHALL LOCATE A JUNCTION BOX WITH A COVER PLATE AT THIS LOCATION 8'-0" A.F.F. JUNCTION BOX SHALL HAVE A 1-1/2" CONDUIT TO 4" ABOVE FINISHED WALL SYSTEM. SEE WALL TYPES

1. GENERAL CONTRACTOR SHALL REPLACE AND REPAIR ALL CONCRETE FLOORING DAMAGED DURING THE DEMOLITION AND CONSTRUCTION.
2. SEE ELECTRICAL & MECHANICAL DEMOLITION DRAWINGS & NOTES.
3. GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING INTERIOR GYPSUM BOARD WALL SURFACES THAT ARE NOT TO RECEIVE A NEW PAINT FINISH. PATCH AND REPAIR TO CREATE A "LIKE NEW" FINISHED SURFACE PRIOR TO RECEIVE NEW PAINT COATING.
4. GENERAL CONTRACTOR SHALL PROVIDE A 6 MIL POLYETHYLENE DUST BARRIER FROM FLOOR TO CONCRETE DECK ABOVE. DUST BARRIER SHALL BE SEALED AIR TIGHT IN ALL PHASED AREA OF CONSTRUCTION
5. UPON COMPLETION OF CONSTRUCTION IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO THOROUGHLY CLEAN ALL AREAS IN WHICH CONSTRUCTION TOOK PLACE AND AREAS AFFECTED BY THE CONSTRUCTION. THE GENERAL CONTRACTOR SHALL CLEAN ALL CARPET, REMOVE ALL DUST, CLEAN DOORS AND FRAMES, LIGHT FIXTURES, CEILING SYSTEMS, MECHANICAL GRILLS, ELECTRICAL PANELS, WINDOW SYSTEMS AND GLAZING ETC...



01 NEW FLOOR PLAN

AFP101 SCALE $1/8" = 1'-0"$



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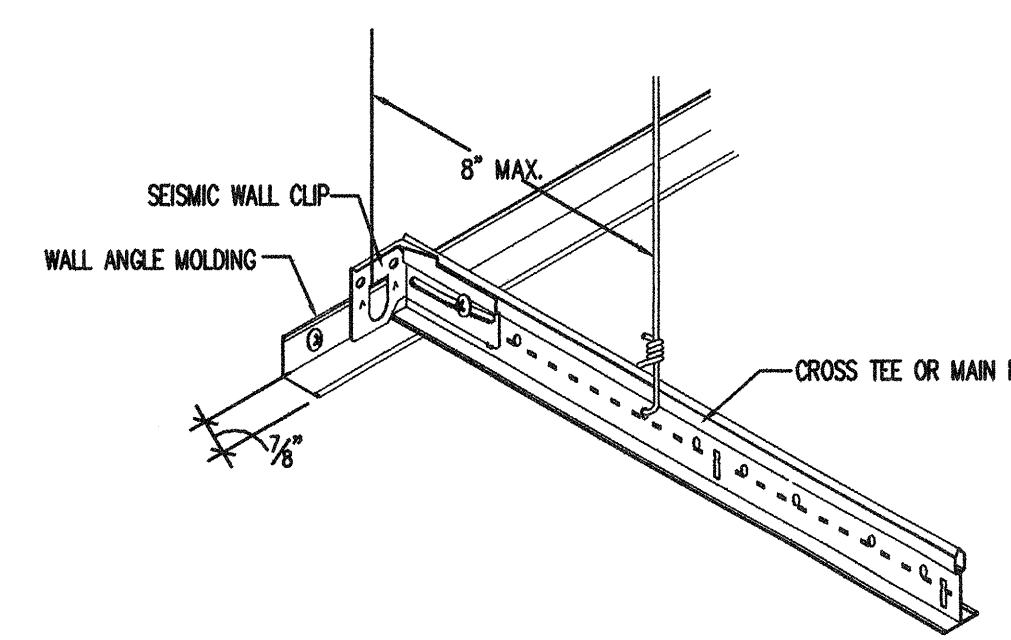
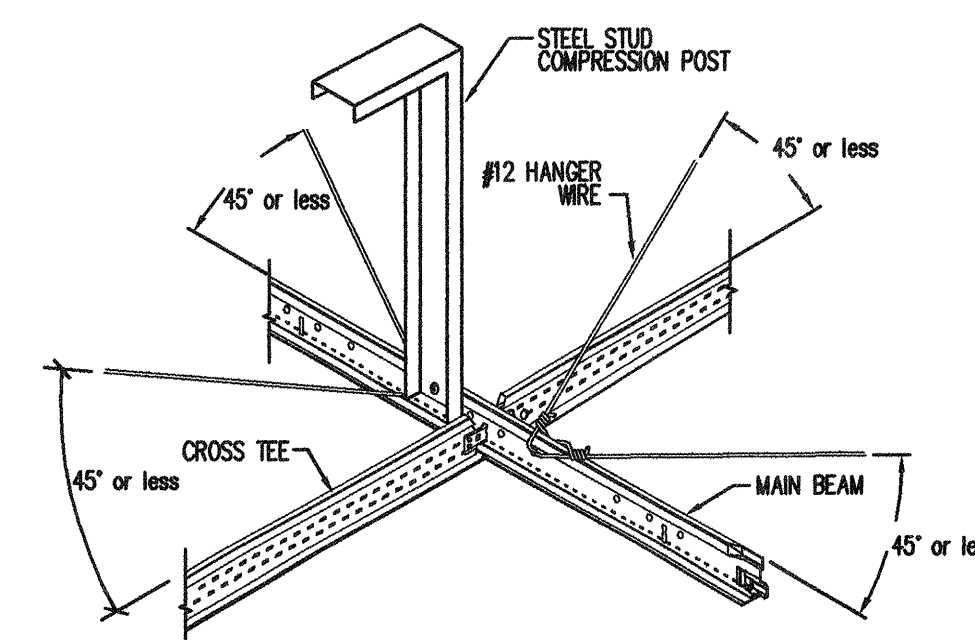
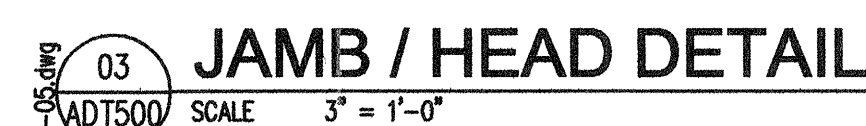
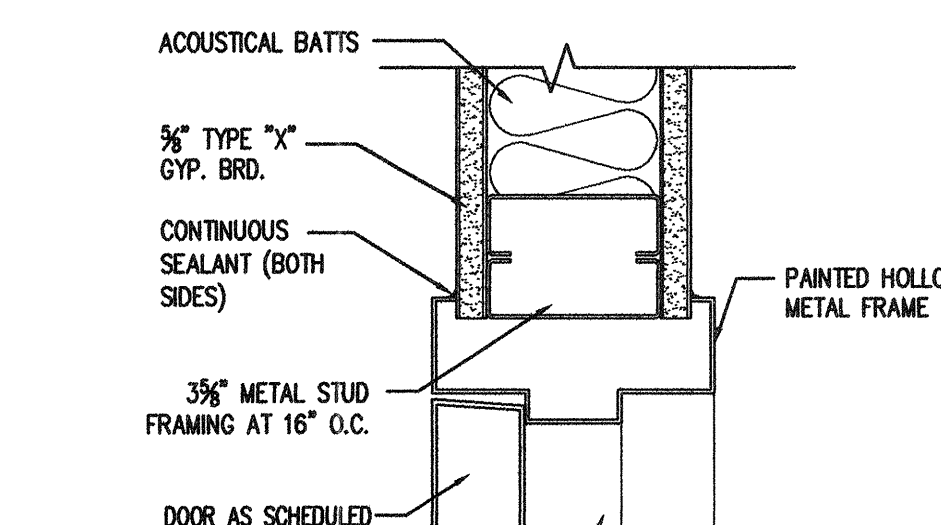
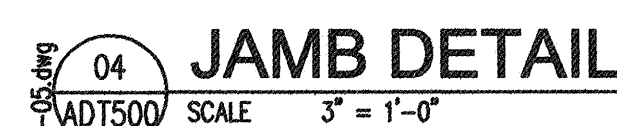
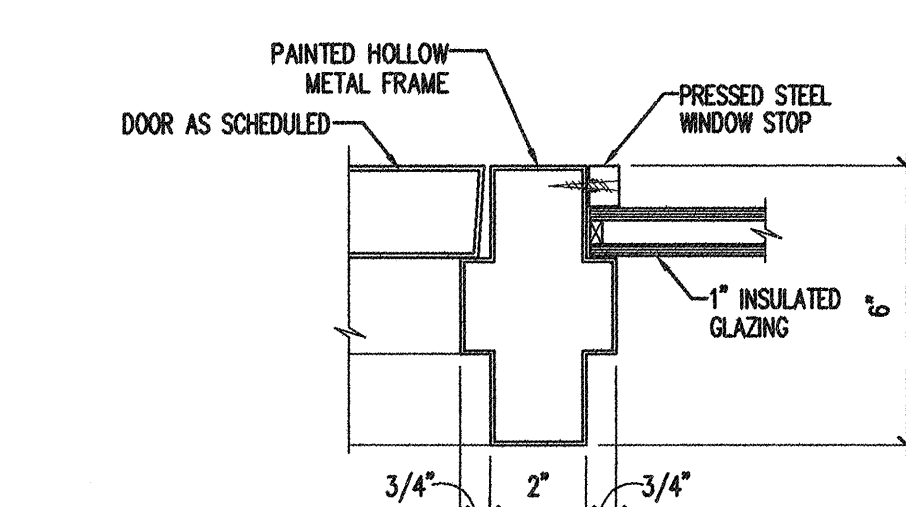
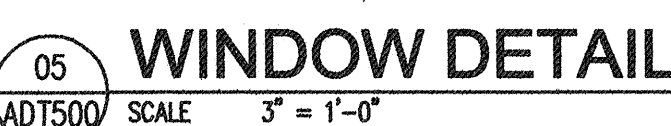
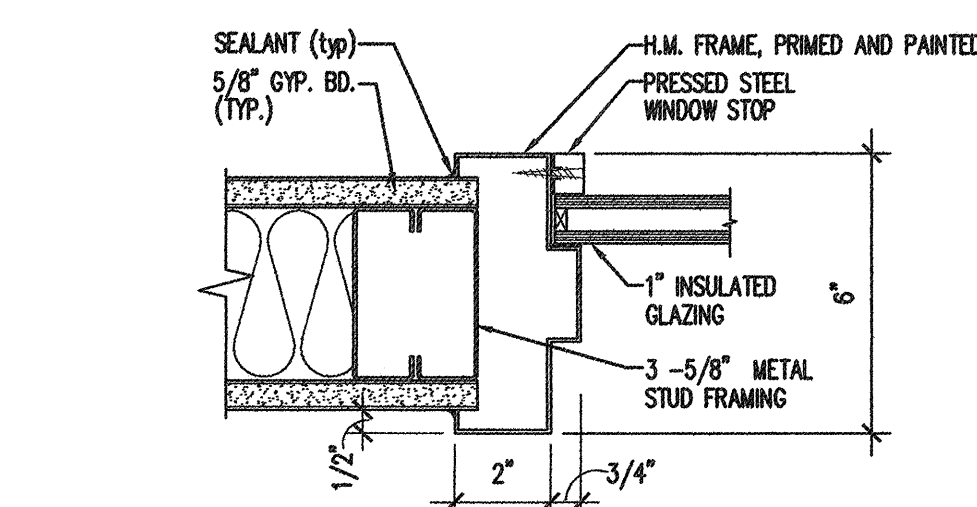
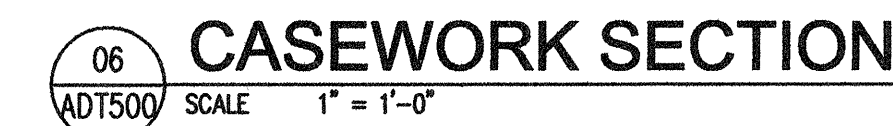
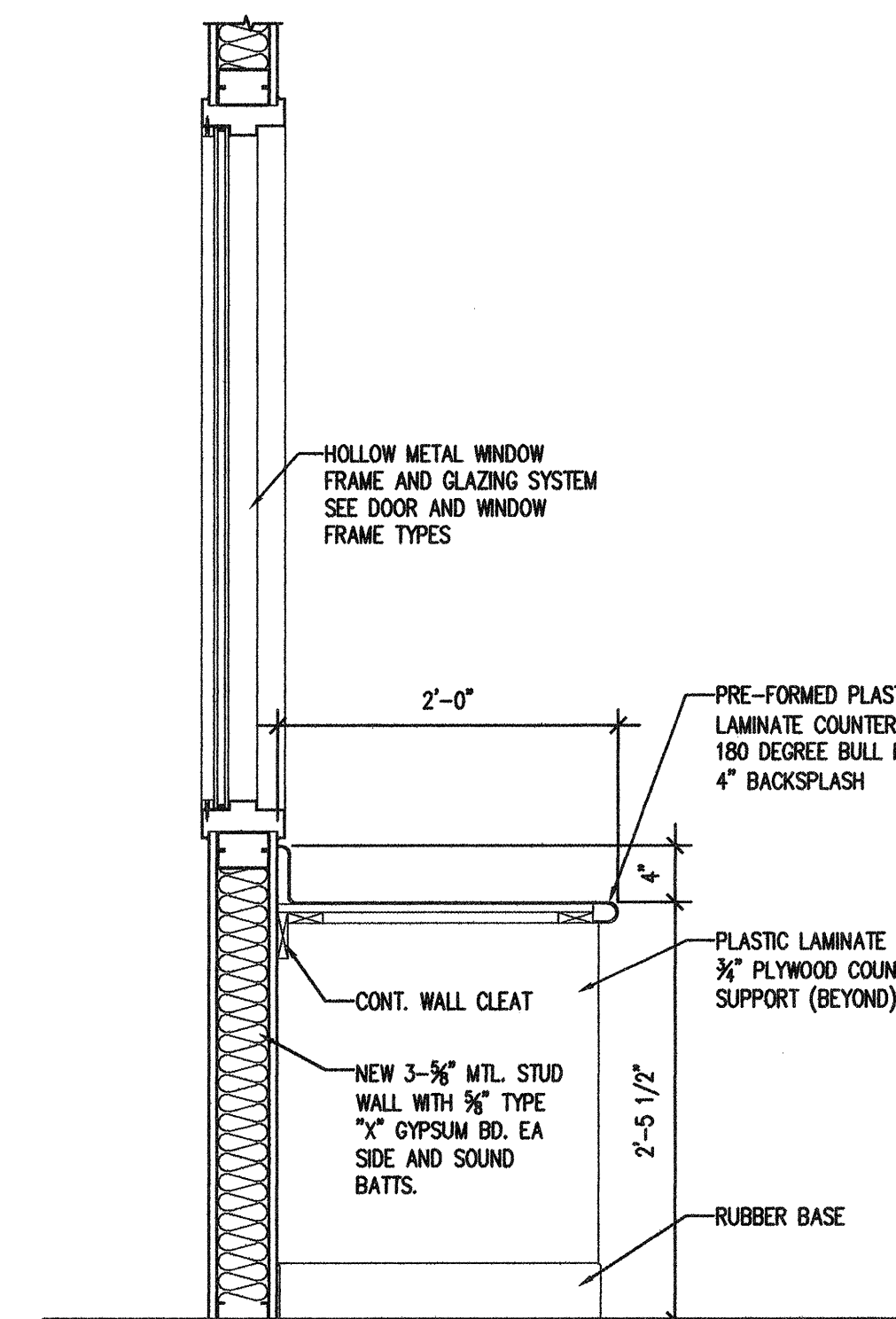
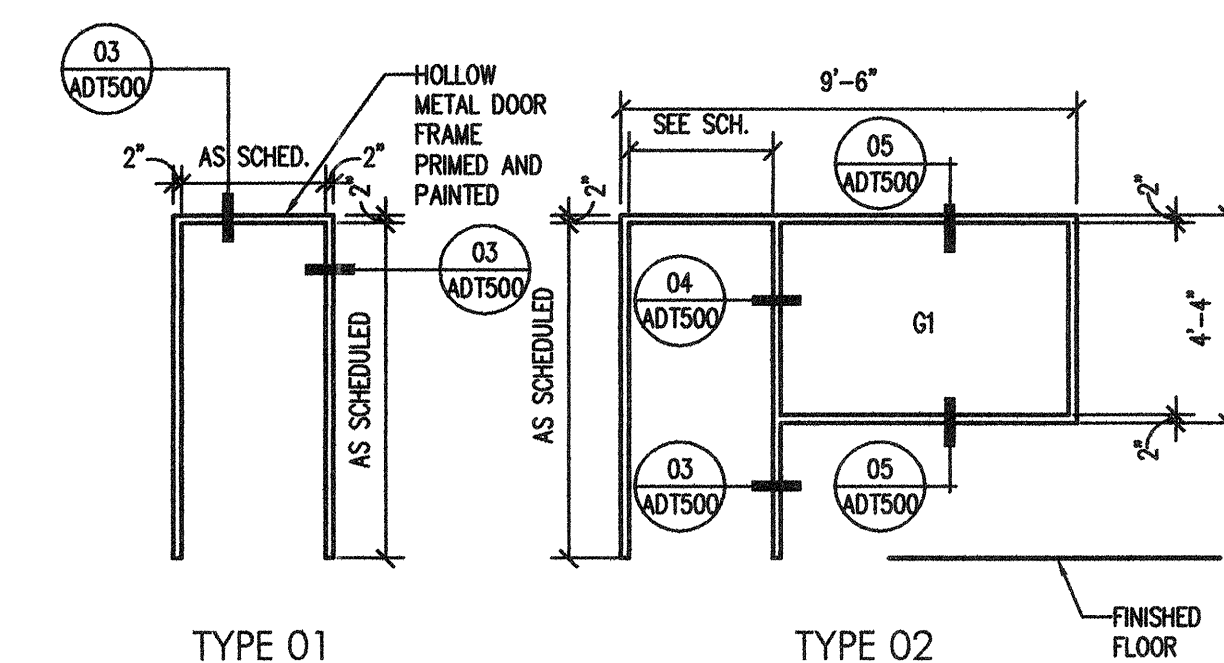
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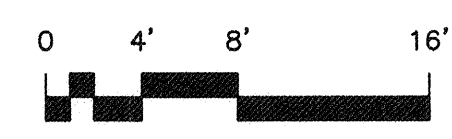
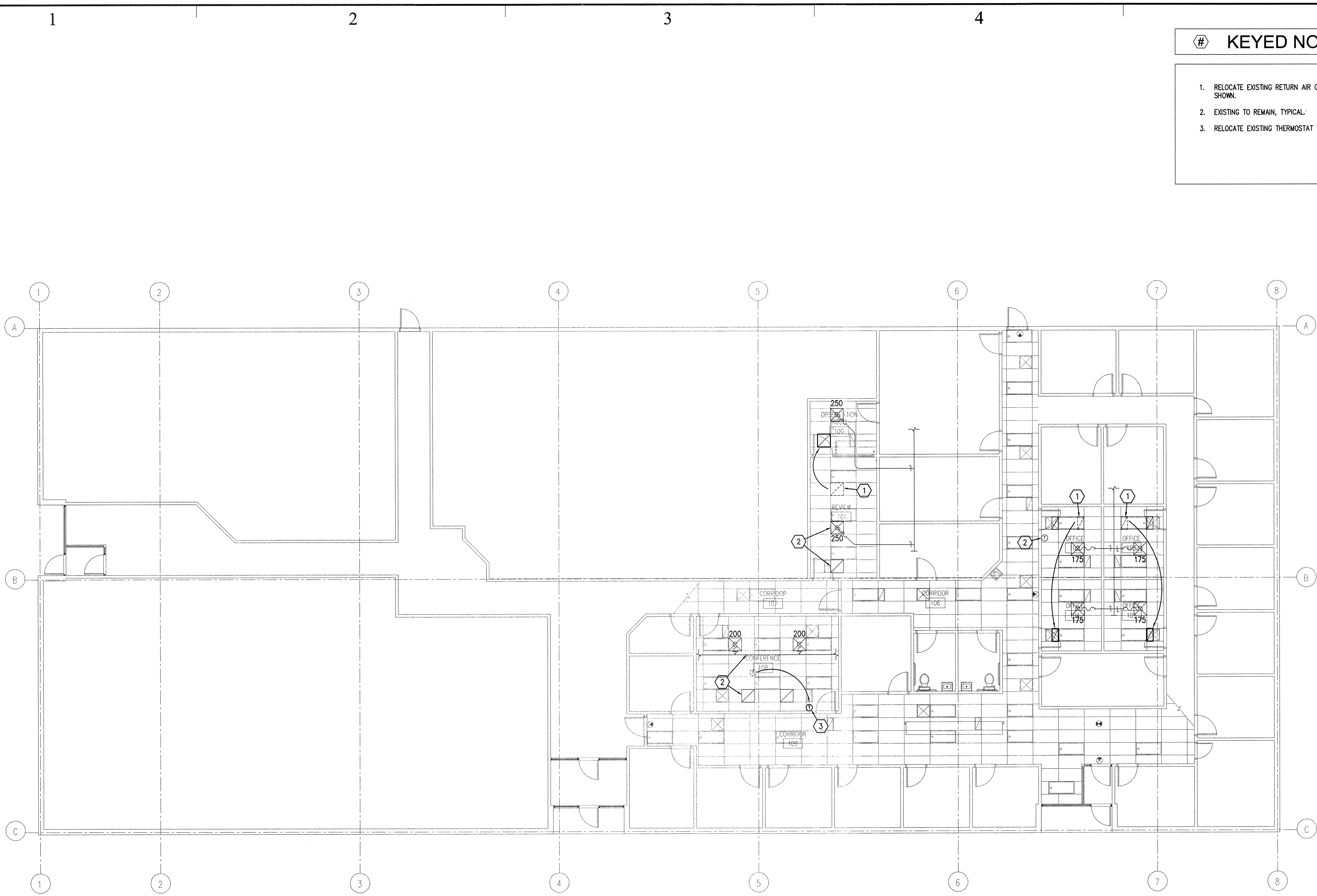
DEPARTMENT OF HUMAN SERVICES

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ISSUE DATE: 28th September, 2007		
DFCM PROJECT NO: 07144400		
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SHEET TITLE		
NEW CEILING PLAN		
SHEET NUMBER		
A-CP102		
SHEET 6 OF 15		

A

GLAZING TYPES	
G-1	1" INSULATED, TEMPERED, ONE WAY MIRRORED GLAZING





MECHANICAL FLOOR PLAN
SCALE 1/8" = 1'-0"

KEYED NOTES

1. RELOCATE EXISTING RETURN AIR GRILLE TO LOCATION AS SHOWN.

2. EXISTING TO REMAIN, TYPICAL.

3. RELOCATE EXISTING THERMOSTAT TO NEW WALL.

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VBFA Project Number: 07304

BUILDING NAME:

DEPARTMENT OF HUMAN SERVICES

MOAB REGIONAL CENTER SECURITY UPGRADES
MOAB, UTAH

PROJECT TITLE:

MOAB REGIONAL CENTER SECURITY UPGRADES
MOAB, UTAH

DEPARTMENT OF HUMAN SERVICES

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SHEET TITLE

MECHANICAL FLOOR PLAN

SHEET NUMBER

M-101

SHEET 8 OF 15



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B

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LIGHTING SYMBOLS			
1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.			
2. ARROWS INDICATE AIMING DIRECTION.			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	FLUORESCENT LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	PARABOLIC - LOUVERED LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	RECESSED INDIRECT FLUORESCENT LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR FLUORESCENT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	FLUORESCENT LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	IF SHOWN, ARROW INDICATES AIMING DIRECTION
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	FLUORESCENT EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	FLUORESCENT EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
	TIME CLOCK		
	EMERGENCY LIGHT FIXTURE	AS NOTED	
	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES	
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.	
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.	
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4' ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.	
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.	

GENERAL SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	KEYED NOTE	
	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN; WHERE NOT SPECIFICALLY REFERENCED, DETAIL IS GENERAL IN NATURE AND SHALL APPLY WHERE APPLICABLE.
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	SECTION REFERENCE	TOP NUMBER INDICATES SECTION NUMBER; BOTTOM LETTER NUMBER INDICATES WHERE SECTION IS SHOWN.
	ARCHITECTURAL ROOM NUMBER	
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	BREAKLINE	USED TO BREAK DRAWINGS.

BRANCH CIRCUITING SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	1 CIRCUIT, 2 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.
	2 CIRCUIT, 3 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	SHORT CROSS LINES: NUMBER OF SHORT CROSS LINES INDICATES NUMBER OF PHASE, TRAVELER, AND/OR SWITCHED CONDUCTORS REQUIRED IF GREATER THAN 1 (ONE).
	3 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	LONG CROSS LINES: NUMBER OF LONG CROSS LINES INDICATES NUMBER OF NEUTRAL CONDUCTORS REQUIRED FOR MULTI-WIRE HOME RUNS.
	MULTIPLE WIRE BRANCH CIRCUITING BETWEEN FIXTURES, SWITCHES, DEVICES, ETC.	EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS: EQUIPMENT GROUND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN, BUT ARE REQUIRED AS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.	
	BRANCH CIRCUITING (U.N.O.) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK.
	INCOMING SERVICE	
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE

ELECTRONIC SYSTEM GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ELECTRONIC SYSTEM1 PANELBOARD (SURFACE MOUNT)	TOP AT 12"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO: TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS CONTROL, SECURITY CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
	ELECTRONIC SYSTEM1 PANELBOARD (FLUSH MOUNT)	TOP AT 12"	
	ELECTRONIC SYSTEM1 TERMINAL BOARD	TOP AT 12"	

TELEPHONE / DATA SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEPHONE OUTLET	+18"	
	DATA OUTLET	+18"	
	COMBINATION TELEPHONE/DATA OUTLET	+18"	
	TELEPHONE TERMINAL BOARD	TOP AT 12"	

ELECTRICAL SHEET INDEX	
E-GS001	SYMBOL SCHEDULE
E-GS002	SYMBOL SCHEDULE
E-DL01	DEMO LIGHTING PLAN
E-DP01	DEMO POWER PLAN
E-LP01	LIGHTING PLAN
E-PP01	POWER PLAN
E-PS01	PANELBOARD SCHEDULES

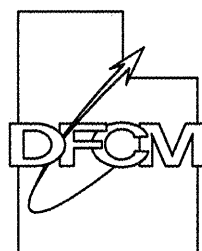
ABBREVIATION SCHEDULE			
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.			
A	ABOVE COUNTER	ISO	ISOLATED
A	AMP OR AMPS	KVA	KILO VOLT AMPERES
ADJ	ADJACENT	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	LTHC	LIQUID-TIGHT METAL CONDUIT
AHJ	AUTHORITY HAVING JURISDICTION	LTHC	LIQUID-TIGHT NONMETAL CONDUIT
AL	ALUMINUM	MCA	MINIMUM CIRCUIT AMPS
C	CONDUIT	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	N.C.	NORMALLY CLOSED
CKT	CIRCUIT	N.I.C.	NOT IN CONTRACT
C.O.S	CONVENIENCE OUTLETS	N.L.	NIGHT LIGHT
CU	COPPER	N.O.	NORMALLY OPEN
EA	EACH	O.C.	ON CENTER(S)
ELEC	ELECTRICAL	OCP	OVER CURRENT PROTECTION
EM	EMERGENCY	QTY	QUANTITY
EMT	ELECTRIC METALLIC TUBING	R	REMOVE
ENT	ELECTRIC NONMETALLIC TUBING	REQ.	REQUIREMENTS
EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
EW	ELECTRIC WATER COOLER	RNC	RIGID NONMETALLIC CONDUIT
E, EX	EXISTING	RR	REMOVE AND RELOCATE
EXP	EXPLOSION PROOF	SS	SURGE SUPPRESSION
FA	FIRE ALARM	SCP	SECURITY CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL	TR	TAMPER RESISTANT
FLA	FULL LOAD AMPS	TYP	TYPICAL
FLC	FLEXIBLE METAL CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FOB	FREIGHT ON BOARD	UF	UNDER FLOOR
GND	GROUND CONDUCTOR	UG	UNDERGROUND
HOA	HAND-OFF-AUTO	U.N.O.	UNLESS NOTED OTHERWISE
HP	HORSE POWER	W	WITH
IG	ISOLATED GROUND	WP	WEATHER PROOF
IMC	INTERMEDIATE METAL CONDUIT	XPR	TRANSFORMER
INS	INSULATED		

GENERAL PROJECT NOTES:

- DIVISION 16000 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATION SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES. THERE WILL BE NO EXCEPTIONS.
- THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING, AT THEIR DISCRETION WITH THE ELECTRICAL ENGINEER AND REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
- THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS DO NOT REPRESENT ALL ITEMS AND THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS.
 - INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZES USED ON THIS PROJECT.
 - A #10 AWG NEUTRAL CONDUCTOR WILL BE PROVIDED FOR ALL FLUORESCENT LIGHTING CIRCUITS.
 - THE CONTRACTOR IS RESPONSIBLE FOR UPSIZING CONDUCTORS FOR VOLTAGE DROP PER THE NEC REGARDLESS OF WHETHER IT IS SHOWN ON THE PLANS OR NOT.
 - THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL ELECTRICAL EQUIPMENT AS REQUIRED BY LOCAL AND NATIONAL CODE.
- THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED A SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT THE APPROVAL FROM THE ELECTRICAL ENGINEER.
- THE CONTRACTOR SHALL INSTALL PROPER WIRE SIZE AS CALLED OUT ON THE PANELBOARD SCHEDULES. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS LARGE ENOUGH FOR VOLTAGE DROP.
- THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB, PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT. CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
- THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO EXTRA PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.
- THE CONTRACTOR SHALL MAKE SURE THAT ALL BRANCH CIRCUITS THAT ARE AFFECTED BY THIS PROJECT ARE NOT OVERLOADED. PROVIDE ADDITIONAL BRANCH CIRCUITS FROM ELECTRICAL PANELS AS NECESSARY TO COMPLY WITH THE BRANCH CIRCUIT LOADING REQUIREMENTS. PROVIDE ALL MATERIAL AND LABOR AS NECESSARY FOR A COMPLETE AND OPERATING SYSTEM.
- PROVIDE UPDATED, TYPED PANELBOARD SCHEDULE(S) TO REFLECT ALL THE CHANGES MADE INCLUDING EXISTING LOADS. THE EXISTING LOADS SHALL BE NAMED THE SAME AS LISTED ON THE EXISTING PANELBOARD SCHEDULE.

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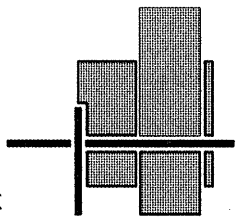
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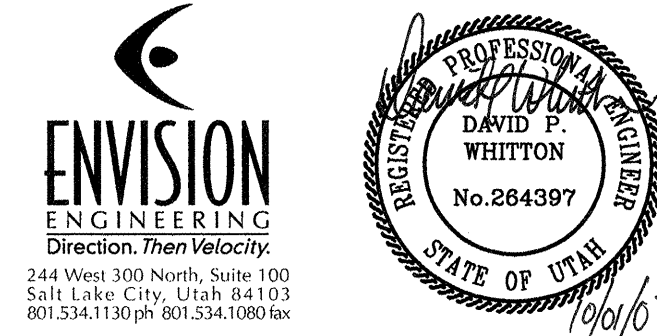
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architecture planning design

CONSULTANT: Envision Engineering



BUILDING NAME:

DEPARTMENT OF
HUMAN SERVICES

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

PROJECT TITLE:

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

DEPARTMENT OF
HUMAN SERVICES

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SHEET TITLE

SYMBOL
SCHEDULE

SHEET NUMBER

E-GS001

SHEET 9 OF 15

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FLOOR BOX & POKE THRU SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-GANG FLOOR BOX WITH DEVICE	FLOOR	DEVICES SHOWN ARE EXAMPLES OF WHAT MAY BE SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE FOR SYMBOL DESCRIPTIONS
	DOUBLE-GANG FLOOR BOX WITH DEVICES	FLOOR	
	TRIPLE-GANG FLOOR BOX WITH DEVICES	FLOOR	
	MULTI-SERVICE FLOOR BOX WITH DEVICES	FLOOR	
	FLUSH MULTI-SERVICE POKE-THRU WITH DUPLEX RECEPTACLE & COMMUNICATIONS PORTS	FLOOR	PROVIDE ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. COORDINATE PLACEMENT OF OUTLETS WITH SYSTEM FURNITURE INSTALLER PRIOR TO ROUGH-IN.
	MULTI-SERVICE POKE-THRU WITH FURNITURE FEED CONNECTIONS. (POWER & COMMUNICATIONS)	FLOOR	
	POKE-THRU WITH FURNITURE FEED CONNECTIONS. (POWER ONLY)	FLOOR	
	POKE-THRU WITH FURNITURE FEED CONNECTIONS. (COMMUNICATIONS ONLY)	FLOOR	
	OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (POWER ONLY)	+18"	
	OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (COMMUNICATIONS ONLY)	+18"	
	UNDERFLOOR DISTRIBUTION BOX WITH FURNITURE FEED CONNECTIONS. (POWER ONLY)	BELOW RAISED FLOOR	
	UNDERFLOOR DISTRIBUTION BOX WITH FURNITURE FEED CONNECTIONS. (COMMUNICATIONS ONLY)	BELOW RAISED FLOOR	
	MULTI-SERVICE FLOOR BOX WITH FURNITURE FEED CONNECTIONS	FLOOR	
	POWER POLE WITH FURNITURE FEED CONNECTIONS	FLOOR/CEILING	

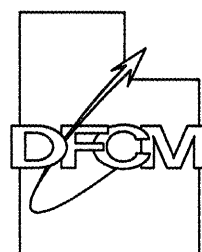
FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
	END OF LINE DEVICE	PER MANUFACTURER RECOMMENDATIONS	
	TAMPER SWITCH	AT VALVE	
	WATER FLOW INDICATOR	ON FIRE RISER	
	FIRE/SMOKE DAMPER	TOP AT 12"	
	HEAT DETECTOR	CEILING	
	SMOKE DETECTOR	CEILING	
	DUCT SMOKE DETECTOR	SIDE OF DUCT	
	FIRE ALARM MANUAL STATION	+48"	
	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
	FAN SHUTDOWN RELAY	AT FAN CONTROL PANEL	
	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL
	WATER FLOOD INDICATOR	FLOOR	
	AUDIO HORN	MOUNT AT LESSOR OF EITHER 80" AFF OR 6" BELOW CEILING.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ. SUBSCRIPT 'C' INDICATES CEILING MOUNTING. NUMERIC SUBSCRIPT INDICATES CANDELLA RATING OF STROBE (I.E. - 15, 75, 110)
	MINI AUDIO HORN		
	FIRE ALARM VISUAL STROBE		
	FIRE ALARM AUDIO/VISUAL HORN/STROBE		
	MINI AUDIO/VISUAL HORN/STROBE		
	FIRE ALARM AUDIO SPEAKER	+10"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 16000
	FIRE ALARM AUDIO/VISUAL SPEAKER/STROBE		
	FIRE PROTECTION SPRINKLER RISER BELL		

WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
	SINGLE-POLE TOGGLE SWITCH	+48"	
	DOUBLE-POLE TOGGLE SWITCH	+48"	
	THREE-WAY TOGGLE SWITCH	+48"	
	FOUR-WAY TOGGLE SWITCH	+48"	
	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE
	TIMER SWITCH	+48"	
	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INBOARD LAMPS.
	LOW VOLTAGE MOMENTARY CONTACT SWITCH	+48"	
	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
	OCCUPANCY SENSOR	AS NOTED	CEILING MOUNTED WITH SUBSCRIPT 'C'; WALL-MOUNTED WITH SUBSCRIPT 'W'
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE -- NEMA 14-50R DRYER -- NEMA 14-30R
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP WITH DUPLEX RECEPTACLE	+18"	REFER TO DETAIL
	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.

GEAR AND CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	+60"	
	FUSED DISCONNECT SWITCH	+60"	
	CIRCUIT BREAKER AND ENCLOSURE	+60"	
	MAGNETIC STARTER	+60"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	+60"	
	COMB. MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	+60"	
	COMB. VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +12" IF WALL MOUNTED
	REDUCED VOLTAGE STARTER	FLOOR OR WALL AS SPECIFIED	TOP AT +12" IF WALL MOUNTED
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +12"	14"W X 3"D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +12"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +12"	20"W X 6"D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +12"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES MAIN PANELBOARD OR SWITCHBOARD. NOTE IS INDICATED IN SET-1-QUOTES (I.E. L2A; MCP)
	SWITCHBOARD	FLOOR	
	METER BASE	TOP AT +12"	
	OPEN - STOP - CLOSE SWITCH	+60"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 5000 UNQ.
	HAND - OFF - AUTO SWITCH	+60"	
	GROUND FAULT PROTECTION		

State of Utah

Department of Administrative Services



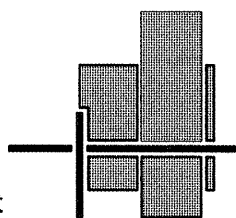
Division of Facilities
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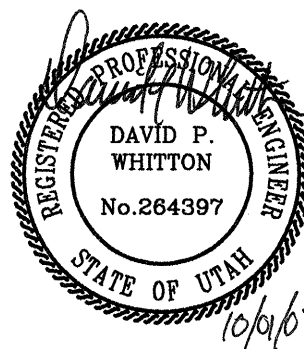


architecture

planning

design

CONSULTANT: Envision Engineering



BUILDING NAME:

DEPARTMENT OF
HUMAN SERVICES

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

PROJECT TITLE:

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

DEPARTMENT OF
HUMAN SERVICES

MARK DATE DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 08th September, 2007

DFCM PROJECT NO: 07144400

CAD PROJECT NO: 2007-117

DRAWN BY: BRT

DESIGNED BY: RVV

CHK'D BY: DPW

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SHEET TITLE

SYMBOL SCHEDULE

SHEET NUMBER

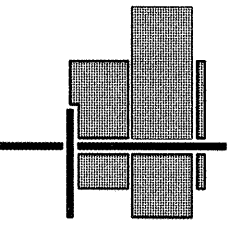
E-GS002

SHEET 10 OF 15

CREATED BY: P+A architects

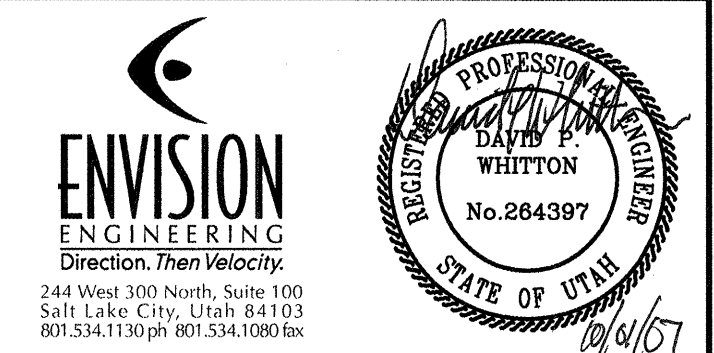
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☐ architecture ☐ planning ☐ design

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CHECK BY:	DDW

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SHEET TITLE

DEMOLITION LIGHTING PLAN

SHEET NUMBER

E-DL101

SHEET 11 OF 15

KEYED NOTES:

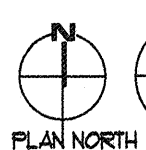
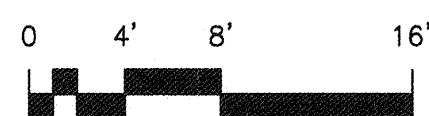
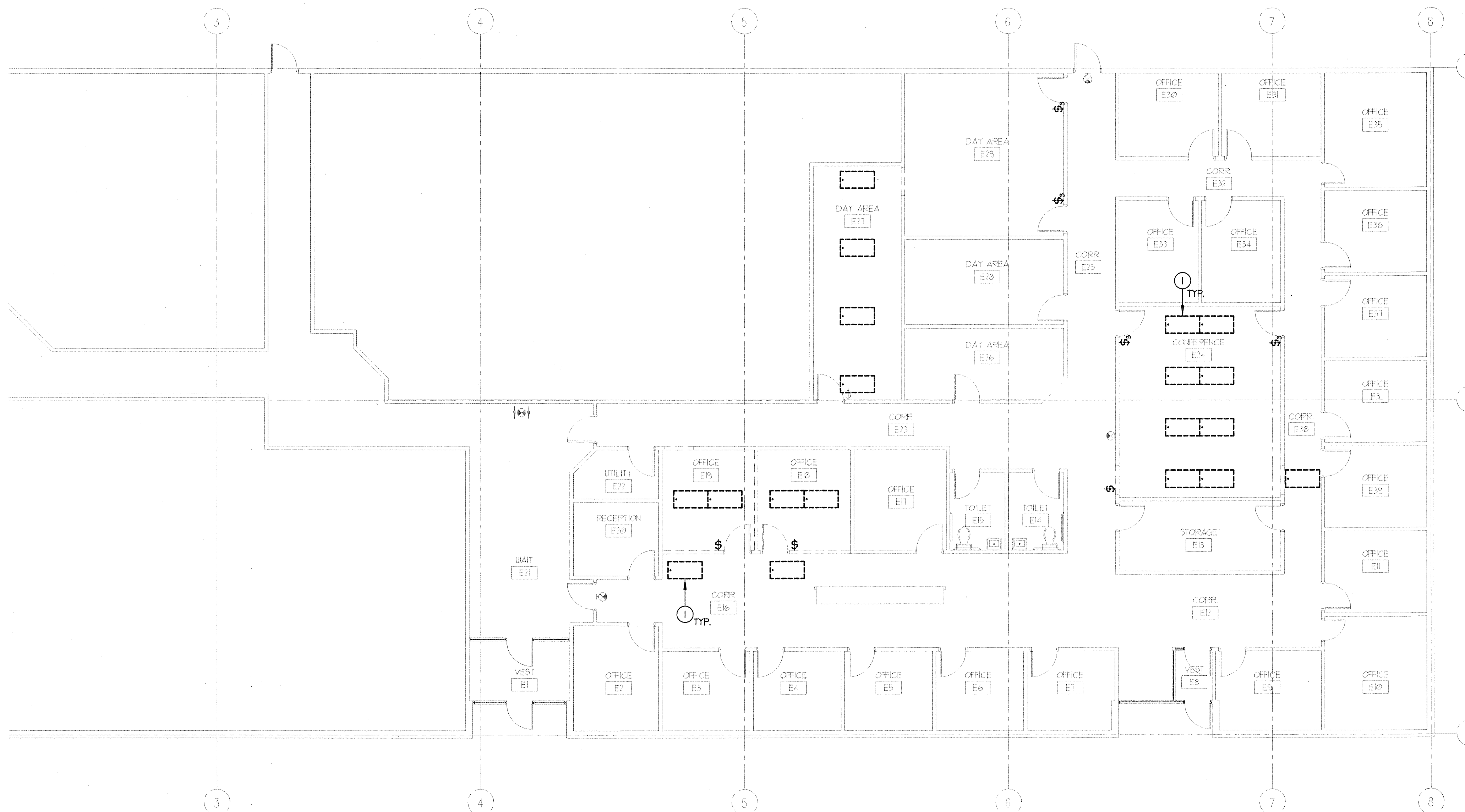
- ① EXISTING 2X4 LAY-IN TROFFER TO BE REMOVED AND STORED FOR REUSE.

GENERAL NOTES:

- I. LIGHTS AND CIRCUITS SHALL BE REUSED TO THE GREATEST EXTEND POSSIBLE. CONTRACTOR SHALL CLEAN AND RELAMP PRIOR TO INSTALLATION AND PROVIDE NEW FIXTURES AS REQUIRED.

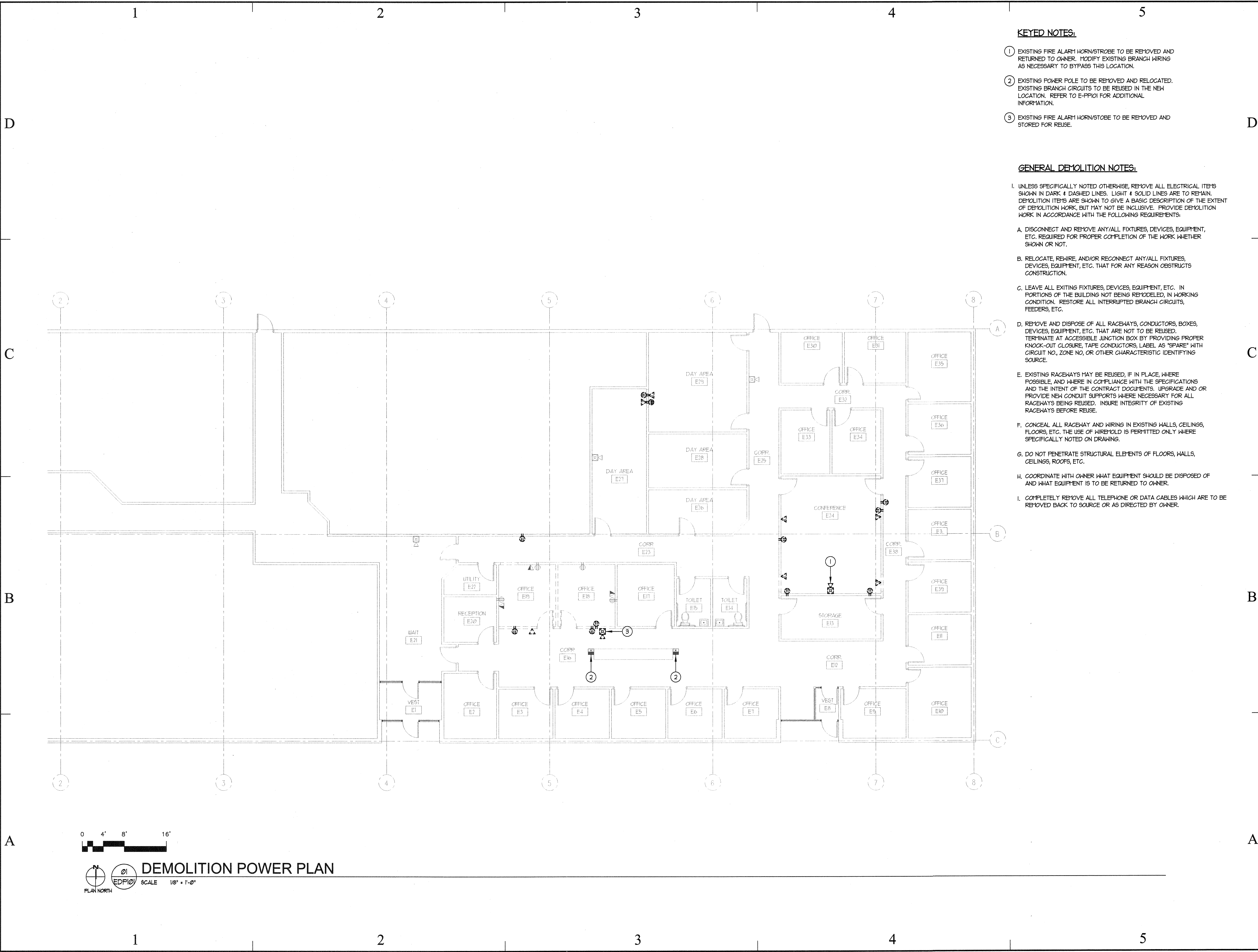
GENERAL DEMOLITION NOTES:

- I. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. LIGHT & SOLID LINES ARE TO REMAIN. DETAILING ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEBILITATION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DETAILING WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REPAIR, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. INSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - I. COMPLETELY REMOVE ALL TELEPHONE OR DATA CABLES WHICH ARE TO BE RETURNED BACK TO SOURCE OR AS DIRECTED BY OWNER.



01 DEMOLITION LIGHTING PLAN

SCALE 1/8" = 1'-0"



KEYED NOTES:

- EXISTING FIRE ALARM HORN/STROBE TO BE REMOVED AND RETURNED TO OWNER. MODIFY EXISTING BRANCH WIRING AS NECESSARY TO BYPASS THIS LOCATION.
- EXISTING POWER POLE TO BE REMOVED AND RELOCATED. EXISTING BRANCH CIRCUITS TO BE REUSED IN THE NEW LOCATION. REFER TO E-PP101 FOR ADDITIONAL INFORMATION.
- EXISTING FIRE ALARM HORN/STROBE TO BE REMOVED AND STORED FOR REUSE.

GENERAL DEMOLITION NOTES:

- UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK & DASHED LINES. LIGHT & SOLID LINES ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. INSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - COMPLETELY REMOVE ALL TELEPHONE OR DATA CABLES WHICH ARE TO BE REMOVED BACK TO SOURCE OR AS DIRECTED BY OWNER.

State of Utah

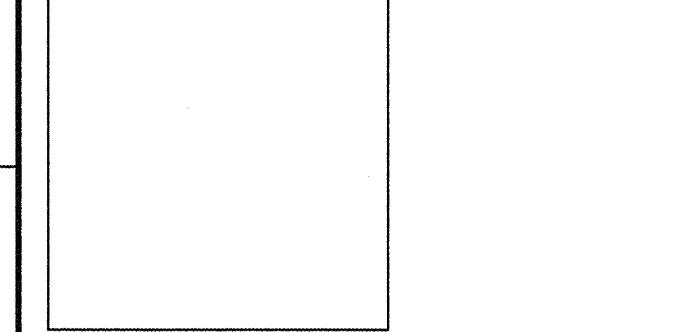
Department of Administrative Services

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architecture planning design

CONSULTANT: Envision Engineering



BUILDING NAME:

DEPARTMENT OF HUMAN SERVICES

MOAB REGIONAL CENTER SECURITY UPGRADES MOAB, UTAH

PROJECT TITLE:

MOAB REGIONAL CENTER SECURITY UPGRADES MOAB, UTAH

DEPARTMENT OF HUMAN SERVICES

ISSUE DATE: 08th September, 2007

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 08th September, 2007

DFCM PROJECT NO: 07144400
CAD PROJECT NO: 2007-117
DRAWN BY: BRT
DESIGNED BY: RVV
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SHEET TITLE

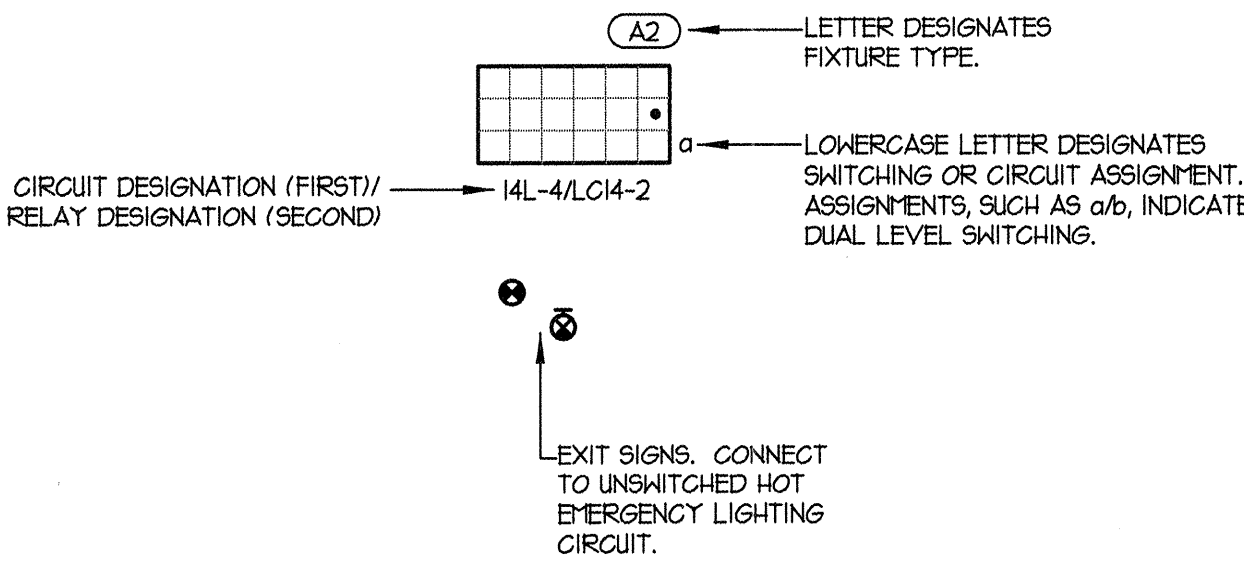
DEMOLITION POWER PLAN

SHEET NUMBER

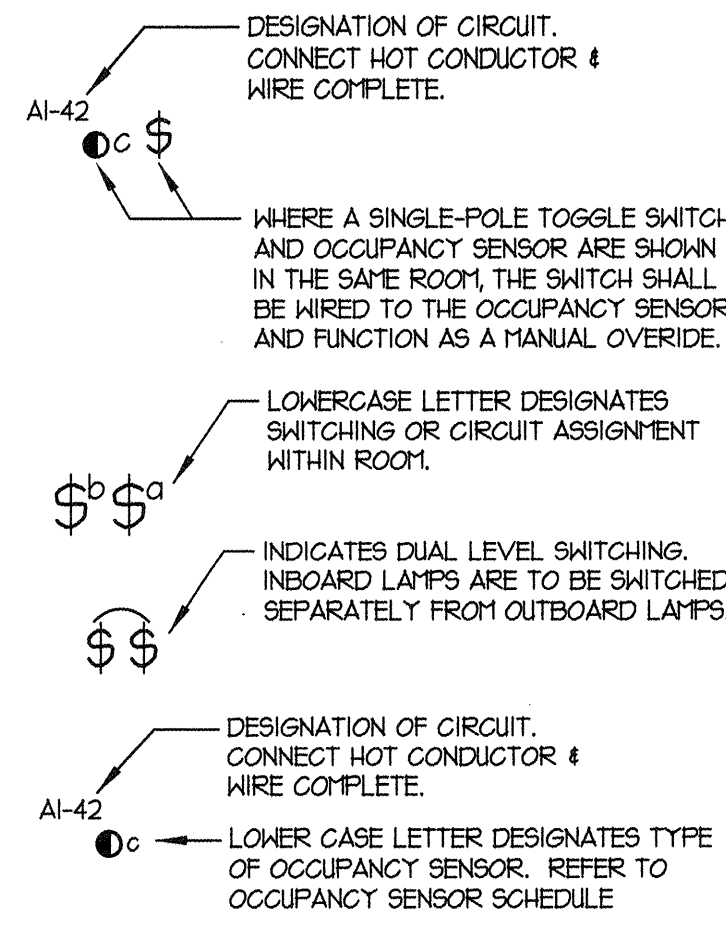
E-DP101

SHEET 12 OF 15

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3 TYPICAL LIGHT FIXTURE CONVENTION
SCALE: NONE



2 TYPICAL SWITCHING CONVENTIONS
SCALE: NONE

KEYED NOTES:

- 1 LIGHT FIXTURES IN THIS AREA ARE EXISTING FIXTURES IN
NEW LOCATIONS. CLEAN AND RELAMP PRIOR TO
INSTALLATION. REUSE EXISTING CIRCUITS TO THE GREATEST
EXTENT POSSIBLE. CONTRACTOR TO VERIFY QUANTITIES
AND PROVIDE NEW FIXTURES TO MATCH EXISTING AS
REQUIRED FOR NEW LAYOUT.
- 2 REMOVE EXISTING BALLAST AND PROVIDE DIMMING
BALLAST.

OCCUPANCY SENSOR LEGEND			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
● C	HUBBELL QNNI DT2000	CEILING	OR APPROVED EQUIVALENT

State of Utah

Department of Administrative Services

Division of Facilities
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CONSULTANT: Envision Engineering



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MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

PROJECT TITLE:
MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH
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SHEET TITLE

LIGHTING PLAN

SHEET NUMBER

E-LP101

SHEET 13 OF 15



KEYED NOTES:

- 1 PROVIDE DUPLEX RECEPTACLE AND DATA IN CEILING SPACE FOR CEILING-MOUNTED PROJECTOR. COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- 2 EXISTING POWER POLE IN NEW LOCATION. EXISTING CIRCUITS ARE TO BE REUSED. EXTEND 3/4" C. AND CONDUCTORS AS REQUIRED FOR NEW LOCATION.
- 3 EXISTING HORN/STROBE IN NEW LOCATION. EXTEND BRANCH CIRCUIT WIRING AS REQUIRED.
- 4 PROVIDE 4 SQUARE JUNCTION BOX FOR CAMERA WITH 3/4" C. STUBBED INTO THE OBSERVATION ROOM. VERIFY EXACT LOCATION AND REQUIREMENTS WITH THE OWNER PRIOR TO ROUGH-IN.

GENERAL NOTES:

- 1 NO JUNCTION BOXES SHALL BE PLACED BACK TO BACK IN THE SAME STUD SPACE.

PROVIDE 4"x4"x2-1/8" DEEP JUNCTION BOX WITH SINGLE GANG PLASTER RING AND EXTEND 3/4" CONDUIT WITH NYLON PULL ROPE TO ACCESSIBLE CEILING. TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING. CABLE TO BE PROVIDED BY OWNER.

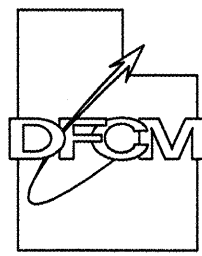
AI-40 DESIGNATION OF CIRCUIT. WIRE COMPLETE.

AI-40/G ISOLATED GROUND CIRCUIT.

TYPICAL OUTLET CONVENTION
SCALE: NONE

State of Utah

Department of Administrative Services



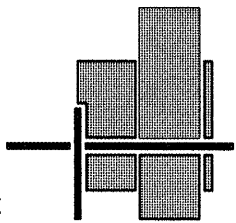
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CREATED BY: P+A architects

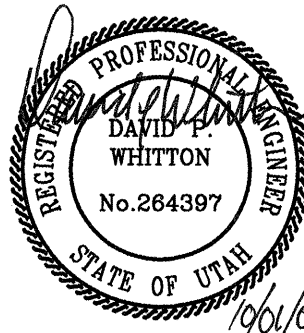
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architecture planning design

CONSULTANT: Envision Engineering



BUILDING NAME:

DEPARTMENT OF
HUMAN SERVICES

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

PROJECT TITLE:

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

DEPARTMENT OF
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SHEET TITLE

POWER PLAN

SHEET NUMBER

E-PP101

SHEET 14 OF 15

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D

C

B

A

1

2

3

4

5

LIGHTING AND APPLIANCE PANELBOARD SCHEDULE																			
PANEL NAME: (EXISTING) C TYPE: NQOD CIRCUIT BREAKERS: <input checked="" type="checkbox"/> BOLT ON <input type="checkbox"/> PLUG ON 120 / 208 VOLTAGE 3 PH 4 W																			
<input checked="" type="checkbox"/> ENGRAVED NAME TAGS BUS MATERIAL: <input type="checkbox"/> ALUM BUS <input type="checkbox"/> CU BUS GROUND: <input type="checkbox"/> GROUND BUS <input type="checkbox"/> ISOL GND BUS NEUTRAL: <input type="checkbox"/> 100% <input type="checkbox"/> 200% LUGS: <input type="checkbox"/> MAIN <input type="checkbox"/> SUB-FEED <input type="checkbox"/> FEED-THROUGH MAIN BREAKER: <input type="checkbox"/> AMP'S BUS AMP'S: 225																			
BRANCH BREAKERS																			
NOTES	ITEM	AMP	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD			RIGHT PHASE LOAD			CIR. NO.	AMP	POLE	WIRE SIZE	ITEM	NOTES		
	SPARE				1	A	B	C	A	B	C	2	20	1	12	OFFICE 102 CO'S	8		
	SPARE				3							4	20	1	12	OFFICE 103 CO'S	8		
	SPARE				5							6	20	1	12	OFFICE 104 CO'S	8		
	SPARE				7							8	20	1	12	OFFICE 105 CO'S	8		
	SPARE				9							10	20	2	12	COPIER	8		
	SPARE				11							12	-	-	-	-	-		
9	FIRE ALARM				13							14	20	1	12	CORRIDOR CO'S	8		
9	ROOF OUTLET				15							16	20	1	12	CONF RM PROJECTOR	8		
9	ROOF OUTLET				17							18	20	1	12	OBSERVATION RM CAMERA	8		
9	ROOF TOP				19							20				SPARE	8		
9	-				21							22				SPARE	8		
9	ROOF TOP				23							24				SPARE	8		
9	-				25							26				ROOF TOP	9		
9	-				27							28				-	9		
9	-				29							30				-	9		
9	ROOF TOP				31							32				ROOF TOP	9		
9	-				33							34				-	9		
9	-				35							36				-	9		
9	ROOF TOP				37							38				ROOF TOP	9		
9	-				39							40				-	9		
9	-				41							42				-	9		
						0	0	0	2340	2190	2080								
						2340	2190	2080	TOTAL										
						20	18	17	AMP'S / PHASE										
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NEMA RATING: <input checked="" type="checkbox"/> NEMA 1 <input type="checkbox"/> NEMA 3R <input type="checkbox"/> NEMA 4X <input type="checkbox"/> NEMA 12 <input type="checkbox"/> STAINLESS STEEL																			
TOTAL CONNECTED LOAD: 6,610																			
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AMP'S RMS SYM																			
REFER TO ONE-LINE DIAGRAM FOR FEEDER, CONDUIT AND CONDUCTOR SIZES																			

LIGHTING AND APPLIANCE PANELBOARD SCHEDULE																			
PANEL NAME: (EXISTING) A TYPE: NQOD CIRCUIT BREAKERS: <input checked="" type="checkbox"/> BOLT ON <input type="checkbox"/> PLUG ON 120 / 208 VOLTAGE 3 PH 4 W																			
<input checked="" type="checkbox"/> ENGRAVED NAME TAGS BUS MATERIAL: <input type="checkbox"/> ALUM BUS <input type="checkbox"/> CU BUS GROUND: <input type="checkbox"/> GROUND BUS <input type="checkbox"/> ISOL GND BUS NEUTRAL: <input type="checkbox"/> 100% <input type="checkbox"/> 200% LUGS: <input type="checkbox"/> MAIN <input type="checkbox"/> SUB-FEED <input type="checkbox"/> FEED-THROUGH MAIN BREAKER: <input type="checkbox"/> AMP'S BUS AMP'S:																			
BRANCH BREAKERS																			
NOTES	ITEM	AMP	POLE	WIRE SIZE	CIR. NO.	LEFT PHASE LOAD			RIGHT PHASE LOAD			CIR. NO.	AMP	POLE	WIRE SIZE	ITEM	NOTES		
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9	EXISTING LOAD				41							42				EXISTING LOAD	9		
						0	0	0	0	0	0								
						0	0	0	0	0	0	TOTAL							
						0	0	0	AMP'S / PHASE										
FRONT: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> HINGED <input type="checkbox"/> DOOR-IN-DOOR																			
MOUNTING: <input type="checkbox"/> FLUSH <input type="checkbox"/> SURFACE <input type="checkbox"/> SURFACE W/ SKIRT ABOVE <input type="checkbox"/> SURFACE W/ SKIRT BELOW																			
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NEMA RATING: <input checked="" type="checkbox"/> NEMA 1 <input type="checkbox"/> NEMA 3R <input type="checkbox"/> NEMA 4X <input type="checkbox"/> NEMA 12 <input type="checkbox"/> STAINLESS STEEL																			
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AMP'S RMS SYM																			
REFER TO ONE-LINE DIAGRAM FOR FEEDER, CONDUIT AND CONDUCTOR SIZES																			

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9	EXISTING LOAD				21							22				EXISTING LOAD	9		
9	EXISTING LOAD				23							24				EXISTING LOAD	9		
9	EXISTING LOAD				25							26				EXISTING LOAD	9		
9	EXISTING LOAD				27							28				EXISTING LOAD	9		
9	EXISTING LOAD				29							30				EXISTING LOAD	9		
9	EXISTING LOAD				31							32				EXISTING LOAD	9		
9	EXISTING LOAD				33							34				EXISTING LOAD	9		
9	EXISTING LOAD				35							36				EXISTING LOAD	9		
9	EXISTING LOAD				37							38				EXISTING LOAD	9		
9	EXISTING LOAD				39							40				EXISTING LOAD	9		
9	EXISTING LOAD				41							42				EXISTING LOAD	9		
						0	0	0	0	0	0								
						0	0	0	0	0	0	TOTAL							
						0	0	0	AMP'S / PHASE										
FRONT: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> HINGED <input type="checkbox"/> DOOR-IN-DOOR																			
MOUNTING: <input type="checkbox"/> FLUSH <input type="checkbox"/> SURFACE <input type="checkbox"/> SURFACE W/ SKIRT ABOVE <input type="checkbox"/> SURFACE W/ SKIRT BELOW																			
TVSS: <input checked="" type="checkbox"/> NONE <input type="checkbox"/> CATEGORY 'C' <input type="checkbox"/> CATEGORY 'B' <input type="checkbox"/> CATEGORY 'A'																			
NEMA RATING: <input checked="" type="checkbox"/> NEMA 1 <input type="checkbox"/> NEMA 3R <input type="checkbox"/> NEMA 4X <input type="checkbox"/> NEMA 12 <input type="checkbox"/> STAINLESS STEEL																			
TOTAL CONNECTED LOAD: 0																			
SHORT CIRCUIT RATING: <input type="checkbox"/> SERIES - RATED <input type="checkbox"/> FULLY - RATED																			
AMP'S RMS SYM																			
REFER TO ONE-LINE DIAGRAM FOR FEEDER, CONDUIT AND CONDUCTOR SIZES																			

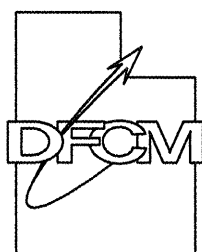
PANELBOARD SCHEDULE NOTES:
1. PROVIDE CLASS A GROUND FAULT INTERRUPTER TYPE CIRCUIT BREAKER.
2. PROVIDE ARC FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER.
3. PROVIDE 30 MILLIAMPERE EQUIPMENT GROUND FAULT PROTECTOR TYPE CIRCUIT BREAKER.
4. PROVIDE SHUNT-TRIP TYPE CIRCUIT BREAKER WITH 120V COIL.
5. PROVIDE HACR RATED CIRCUIT BREAKER.
6. PROVIDE HANDLE CLAMP FOR HOLDING CIRCUIT BREAKER IN THE 'ON' OR 'OFF' POSITION.
7. PROVIDE SWITCHING RATED CIRCUIT BREAKER.
8. PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANELBOARD (WHERE PANEL IS INDICATED AS EXISTING) OF SAME MANUFACTURER AND A.I.C. RATING AS EXISTING.
9. EXISTING LOAD.

PANEL LEGEND

C	A
	B

State of Utah

Department of Administrative Services



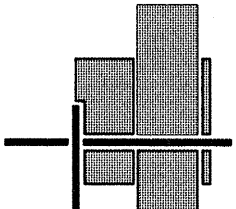
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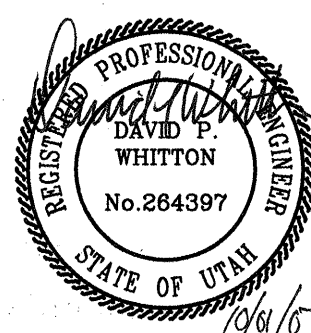
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architecture planning design

CONSULTANT: Envision Engineering



BUILDING NAME:

DEPARTMENT OF
HUMAN SERVICES

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

PROJECT TITLE:

MOAB REGIONAL CENTER
SECURITY UPGRADES
MOAB, UTAH

DEPARTMENT OF
HUMAN SERVICES

MARK DATE DESCRIPTION

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ISSUE DATE: 08th September, 2007

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DRAWN BY: BRT

DESIGNED BY: RVV

CHK'D BY: DPW

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SHEET TITLE

PANELBOARD
SCHEDULES

SHEET NUMBER

E-PS801

SHEET 15 OF 15